

FCC Appendix RF Test Data for 2.4GWIFI

FCC ID : 2BEAW-MD38

Company : Shenzhen Qiugu Technology Co.,LTD.

EUT : WIFI CAMERA

Model Number : MD38

Report No. : CTA26041000101

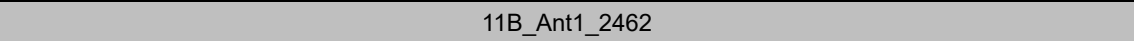
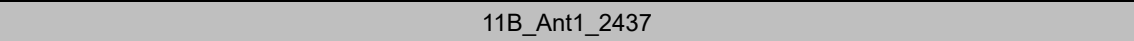
Reviewed By : Eric Wang

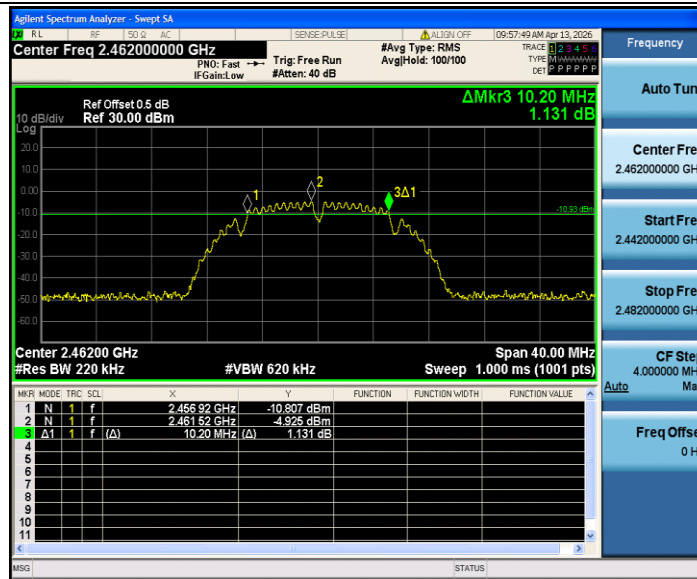
Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	10.240	2406.920	2417.160	0.5	PASS
		2437	10.200	2431.920	2442.120	0.5	PASS
		2462	10.200	2456.920	2467.120	0.5	PASS
11G	Ant1	2412	15.800	2404.080	2419.880	0.5	PASS
		2437	15.800	2429.080	2444.880	0.5	PASS
		2462	15.840	2454.200	2470.040	0.5	PASS
11N20SISO	Ant1	2412	17.160	2403.480	2420.640	0.5	PASS
		2437	16.360	2428.680	2445.040	0.5	PASS
		2462	16.640	2453.440	2470.080	0.5	PASS

11B_Ant1_2412





11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



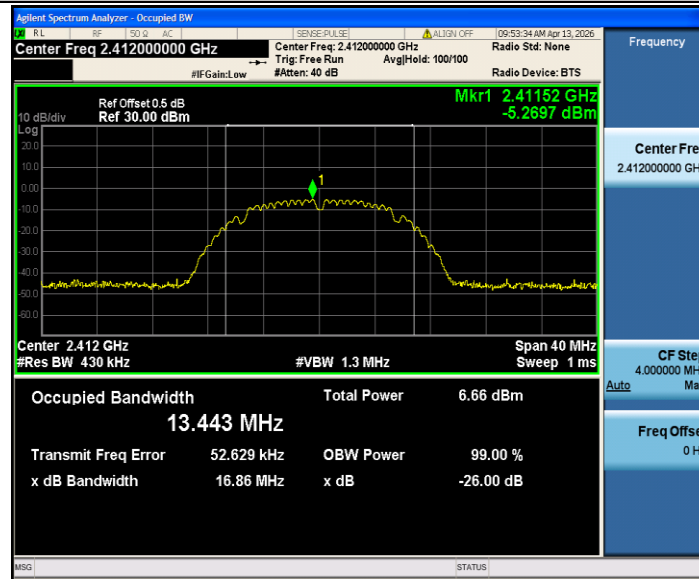
Appendix B: Occupied Channel Bandwidth

Test Result

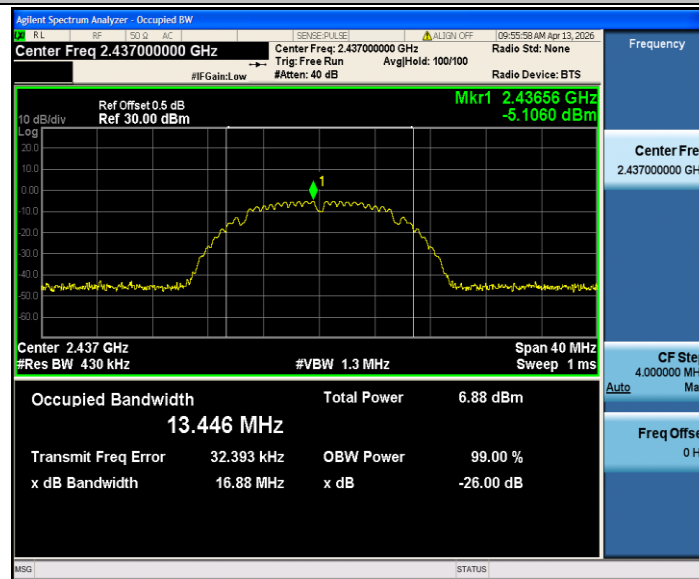
TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.443	2405.3311	2418.7741	---	---
		2437	13.446	2430.3094	2443.7554	---	---
		2462	13.445	2455.2932	2468.7382	---	---
11G	Ant1	2412	16.875	2403.5984	2420.4734	---	---
		2437	16.784	2428.6592	2445.4432	---	---
		2462	16.853	2453.6101	2470.4631	---	---
11N20SISO	Ant1	2412	17.906	2403.0903	2420.9963	---	---
		2437	17.884	2428.0904	2445.9744	---	---
		2462	17.912	2453.0771	2470.9891	---	---

Test Graphs

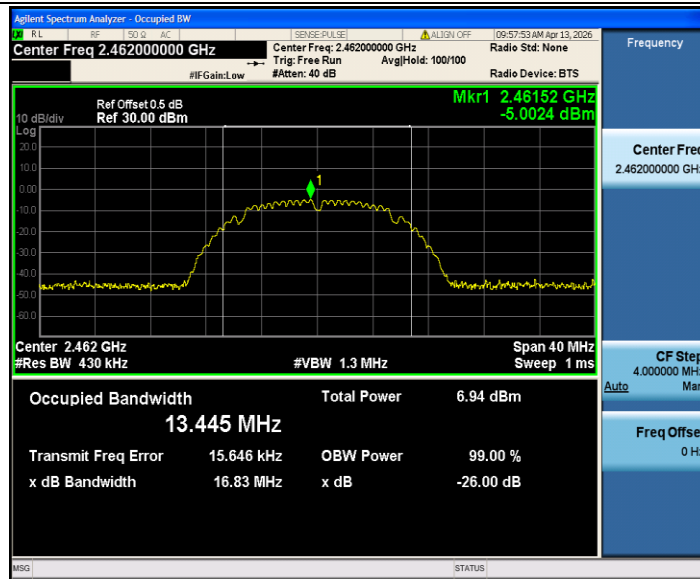
11B_Ant1_2412



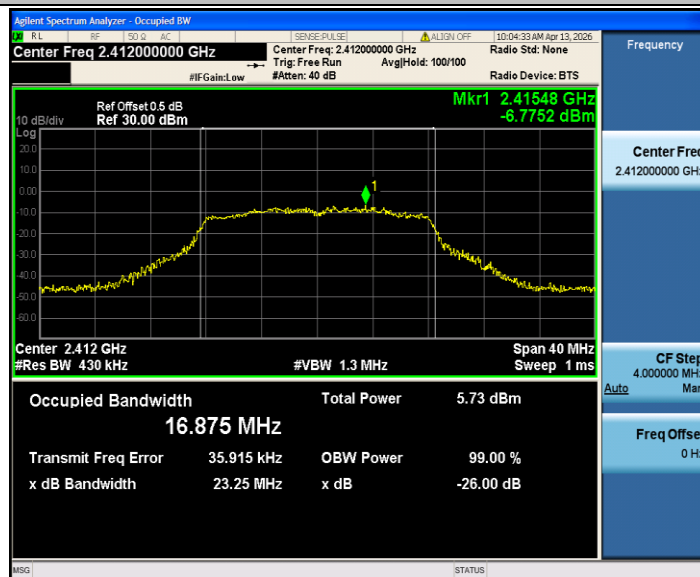
11B_Ant1_2437



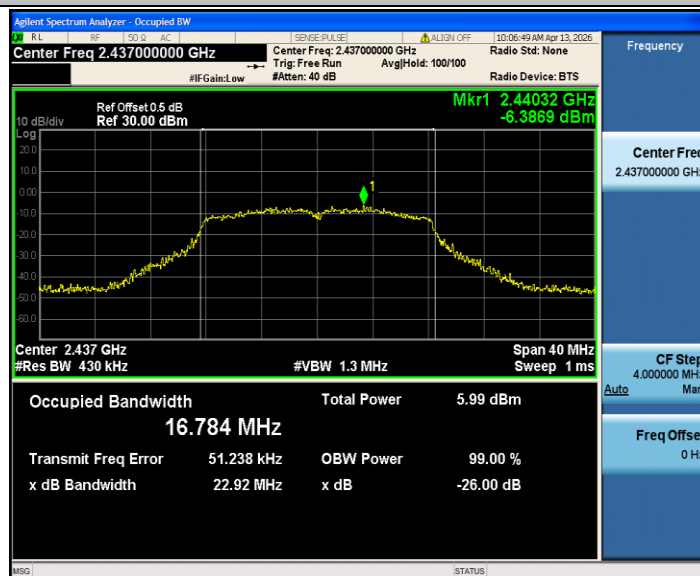
11B_Ant1_2462



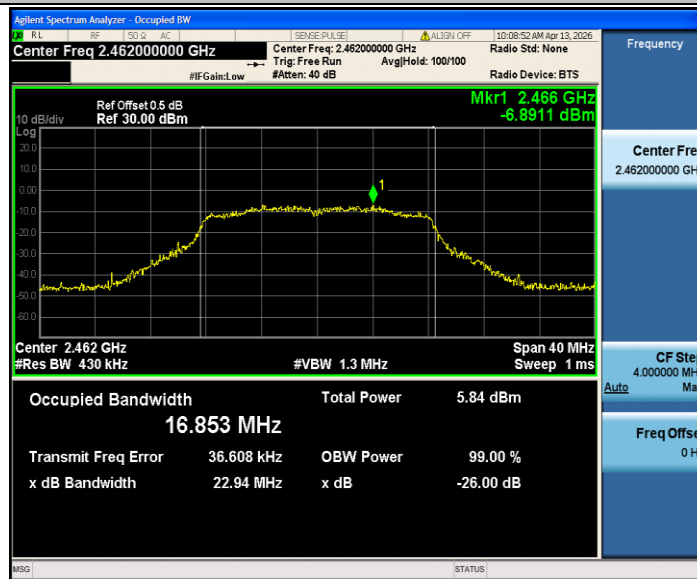
11G_Ant1_2412



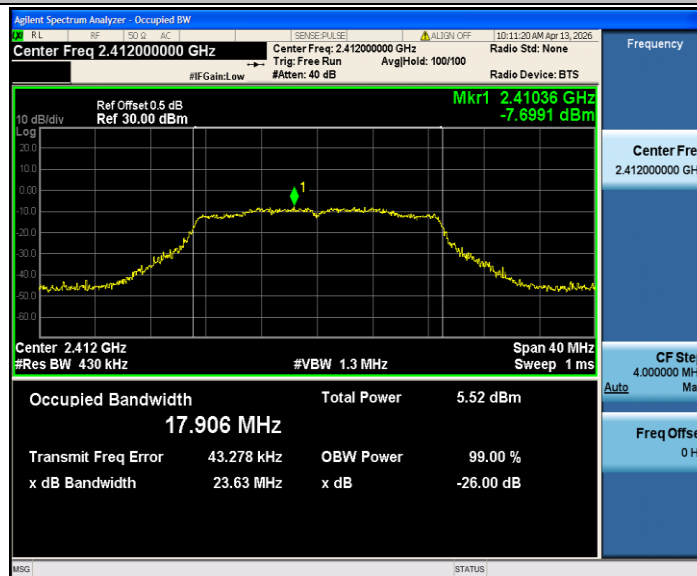
11G_Ant1_2437



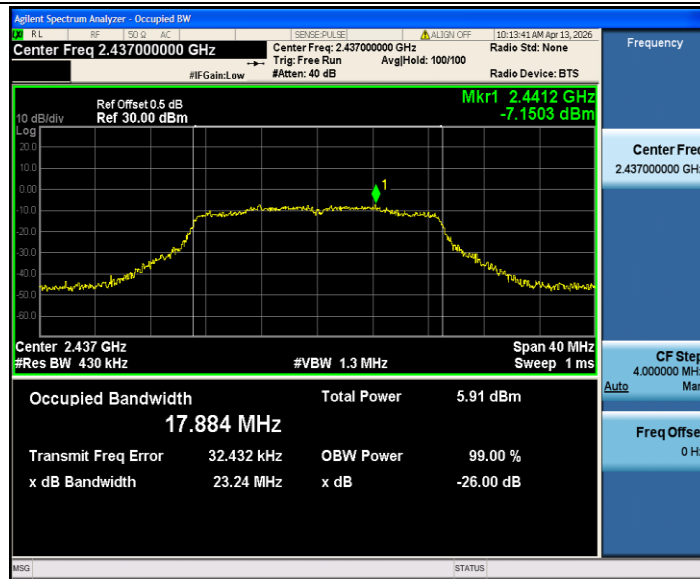
11G_Ant1_2462



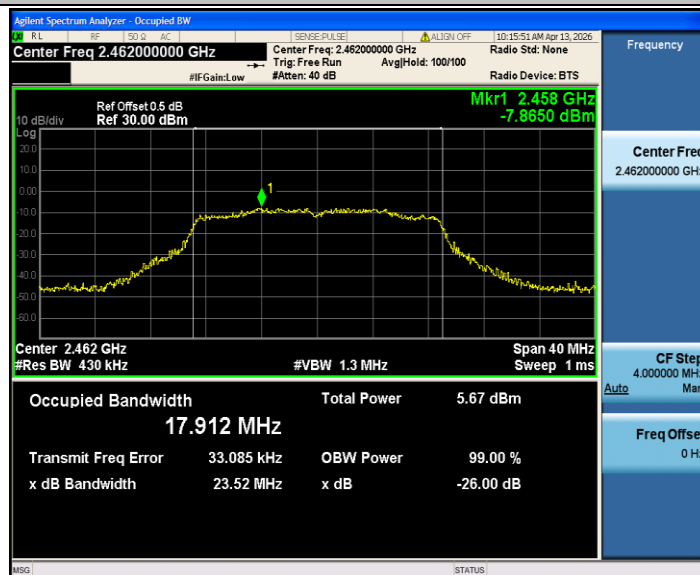
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Peak power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	6.27	≤30.00	PASS
		2437	6.52	≤30.00	PASS
		2462	6.63	≤30.00	PASS
11G	Ant1	2412	6.60	≤30.00	PASS
		2437	6.90	≤30.00	PASS
		2462	6.72	≤30.00	PASS
11N20SISO	Ant1	2412	6.55	≤30.00	PASS
		2437	6.80	≤30.00	PASS
		2462	6.60	≤30.00	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-19.35	≤8.00	PASS
		2437	-19.96	≤8.00	PASS
		2462	-19.14	≤8.00	PASS
11G	Ant1	2412	-25.32	≤8.00	PASS
		2437	-24.53	≤8.00	PASS
		2462	-25.33	≤8.00	PASS
11N20SISO	Ant1	2412	-24.84	≤8.00	PASS
		2437	-24.49	≤8.00	PASS
		2462	-24.84	≤8.00	PASS

Test Graphs

11B_Ant1_2412



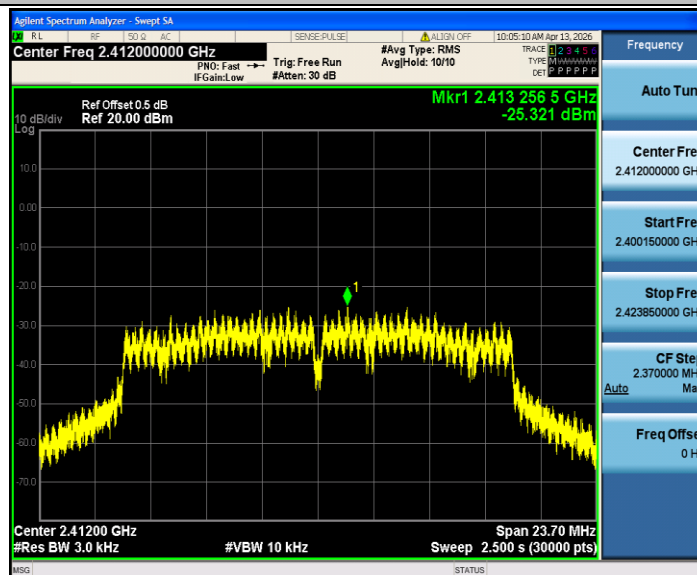
11B_Ant1_2437



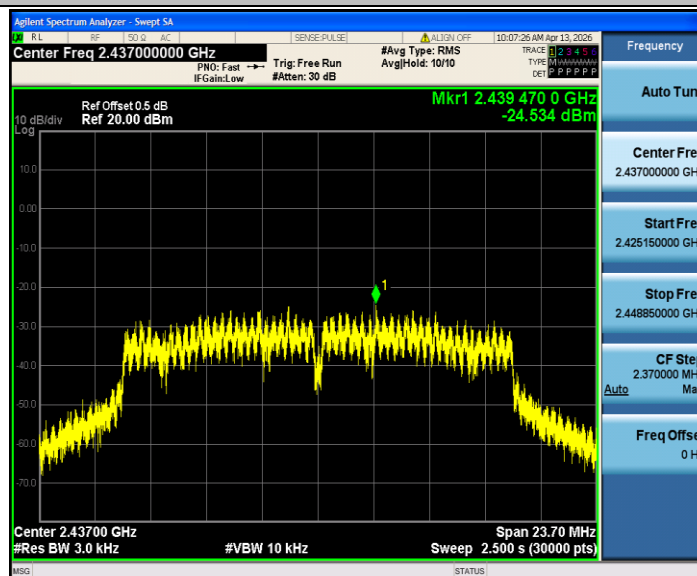
11B_Ant1_2462



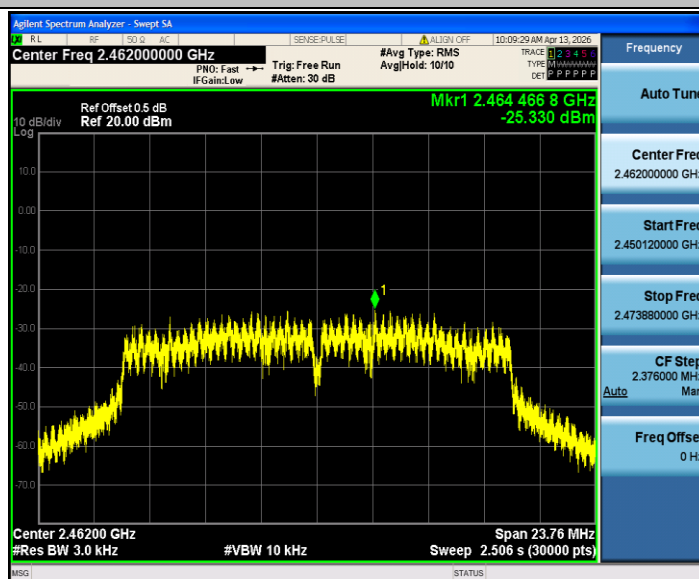
11G_Ant1_2412



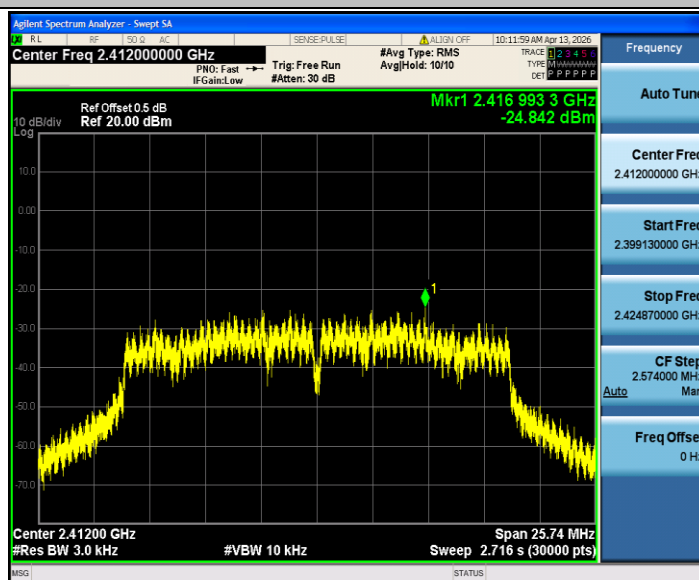
11G_Ant1_2437



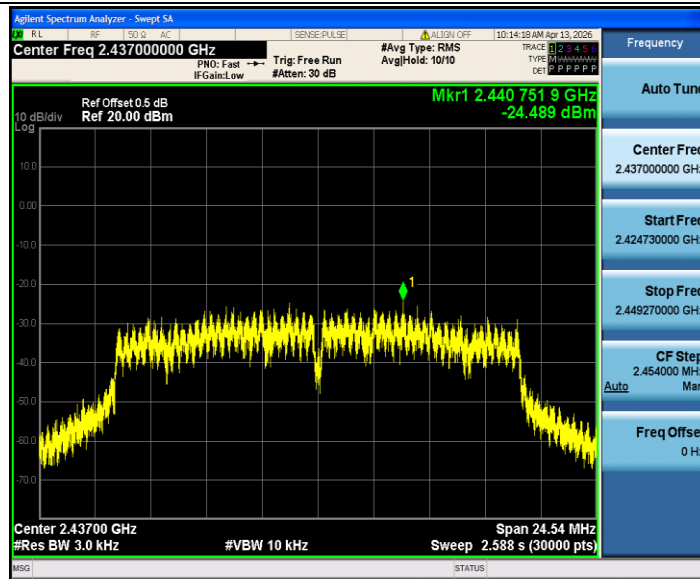
11G_Ant1_2462



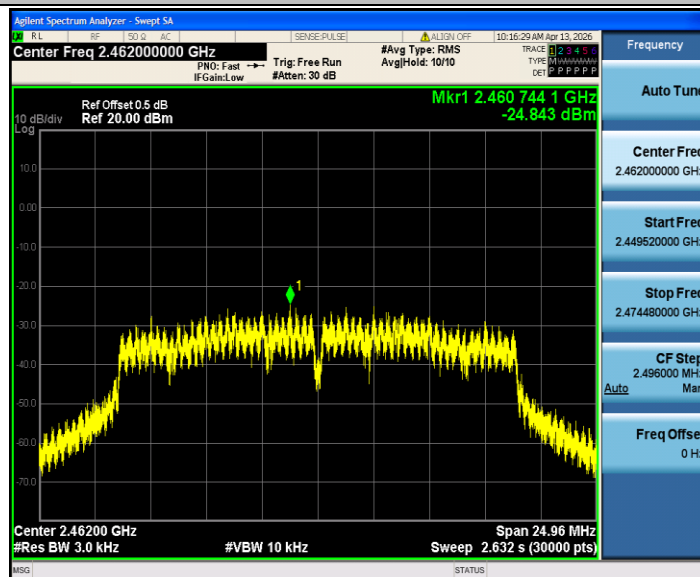
11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



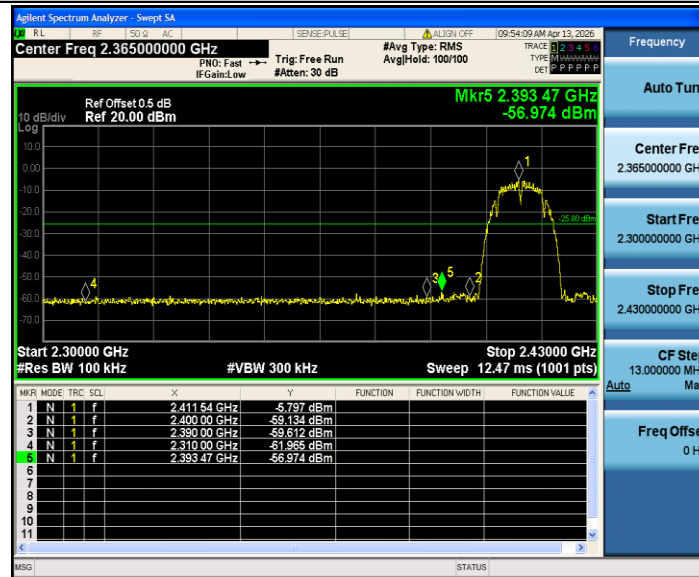
Appendix E: Band edge measurements

Test Result

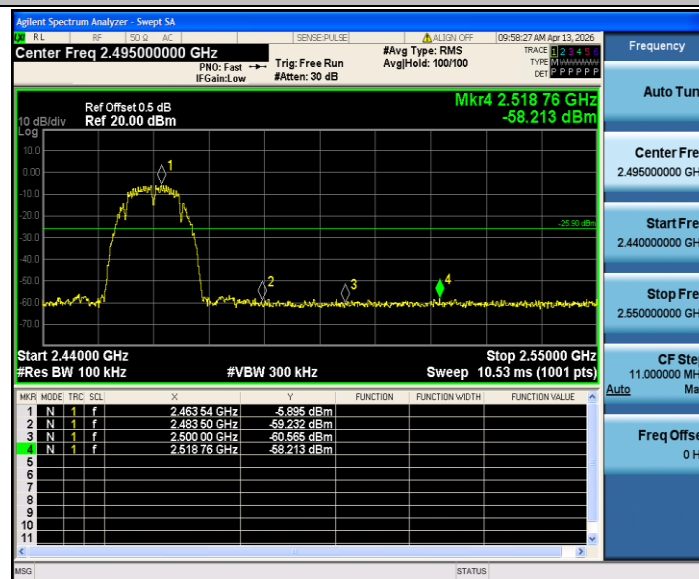
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-5.80	-56.97	≤-25.8	PASS
		High	2462	-5.90	-58.21	≤-25.9	PASS
11G	Ant1	Low	2412	-9.83	-41.8	≤-29.83	PASS
		High	2462	-9.68	-58.03	≤-29.68	PASS
11N20SISO	Ant1	Low	2412	-9.76	-40.1	≤-29.76	PASS
		High	2462	-10.05	-57.81	≤-30.05	PASS

Test Graphs

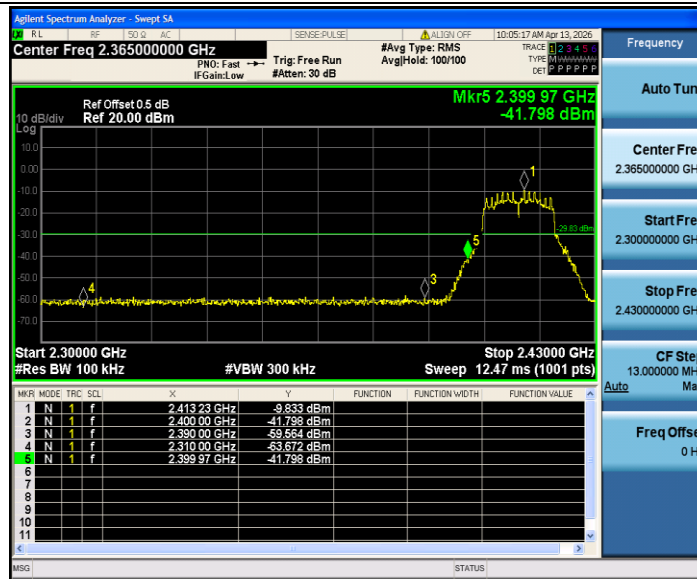
11B_Ant1_Low_2412



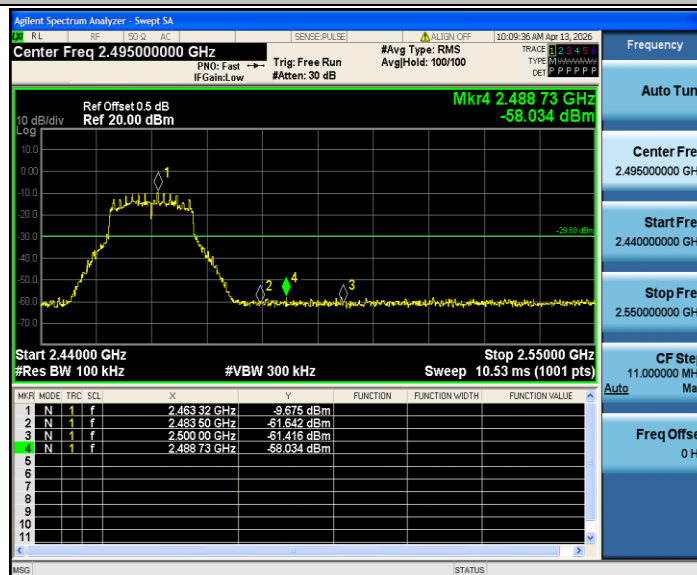
11B_Ant1_High_2462



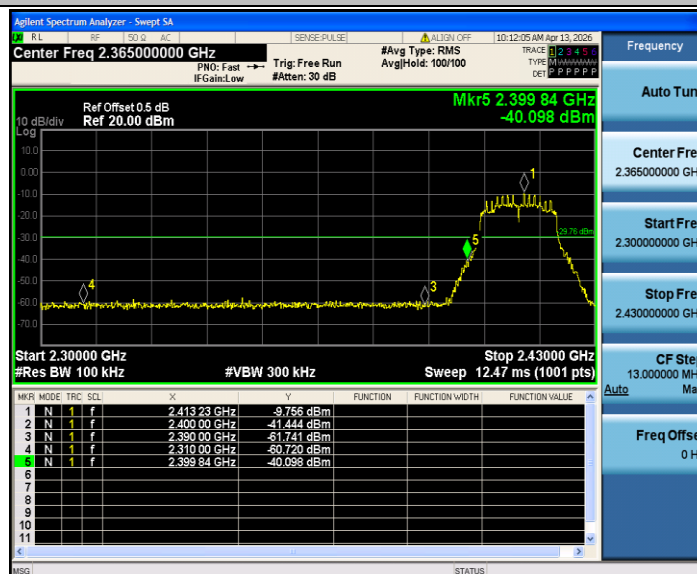
11G_Ant1_Low_2412



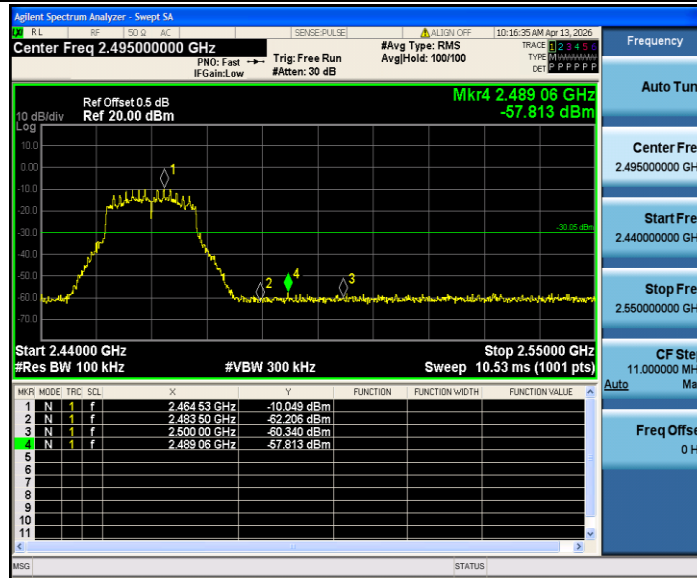
11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



Appendix F: Conducted Spurious Emission

Test Result

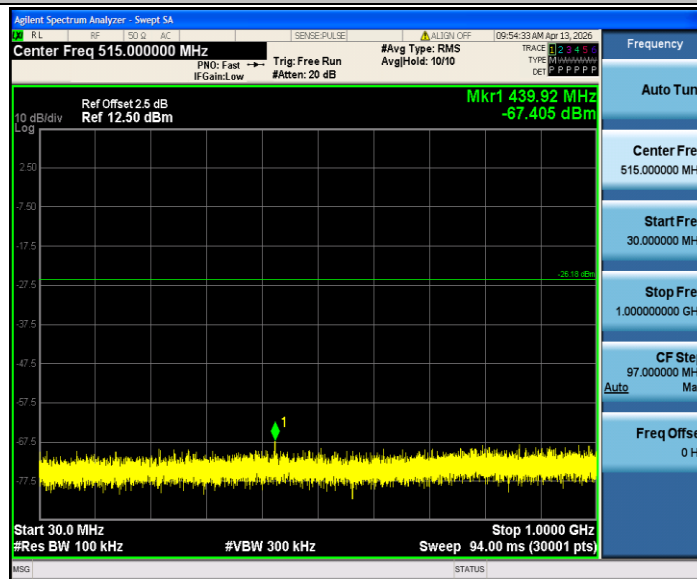
TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	-6.18	-6.18	---	PASS
			30~1000	-6.18	-67.41	≤-26.18	PASS
			1000~26500	-6.18	-55.53	≤-26.18	PASS
		2437	Reference	-7.90	-7.90	---	PASS
			30~1000	-7.90	-67.91	≤-27.9	PASS
			1000~26500	-7.90	-55.02	≤-27.9	PASS
		2462	Reference	-6.78	-6.78	---	PASS
			30~1000	-6.78	-68.32	≤-26.78	PASS
			1000~26500	-6.78	-55.11	≤-26.78	PASS
11G	Ant1	2412	Reference	-9.76	-9.76	---	PASS
			30~1000	-9.76	-68.16	≤-29.76	PASS
			1000~26500	-9.76	-55.58	≤-29.76	PASS
		2437	Reference	-10.26	-10.26	---	PASS
			30~1000	-10.26	-67.81	≤-30.26	PASS
			1000~26500	-10.26	-54.9	≤-30.26	PASS
		2462	Reference	-10.47	-10.47	---	PASS
			30~1000	-10.47	-68.21	≤-30.47	PASS
			1000~26500	-10.47	-55.45	≤-30.47	PASS
11N20SISO	Ant1	2412	Reference	-10.22	-10.22	---	PASS
			30~1000	-10.22	-67.21	≤-30.22	PASS
			1000~26500	-10.22	-55.17	≤-30.22	PASS
		2437	Reference	-10.29	-10.29	---	PASS
			30~1000	-10.29	-68.32	≤-30.29	PASS
			1000~26500	-10.29	-54.86	≤-30.29	PASS
		2462	Reference	-11.48	-11.48	---	PASS
			30~1000	-11.48	-68.63	≤-31.48	PASS
			1000~26500	-11.48	-55.34	≤-31.48	PASS

Test Graphs

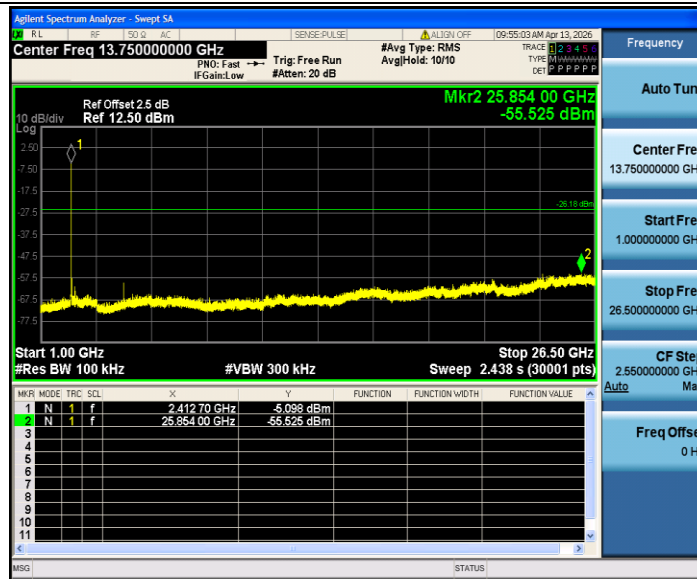
11B_Ant1_2412_0~Reference



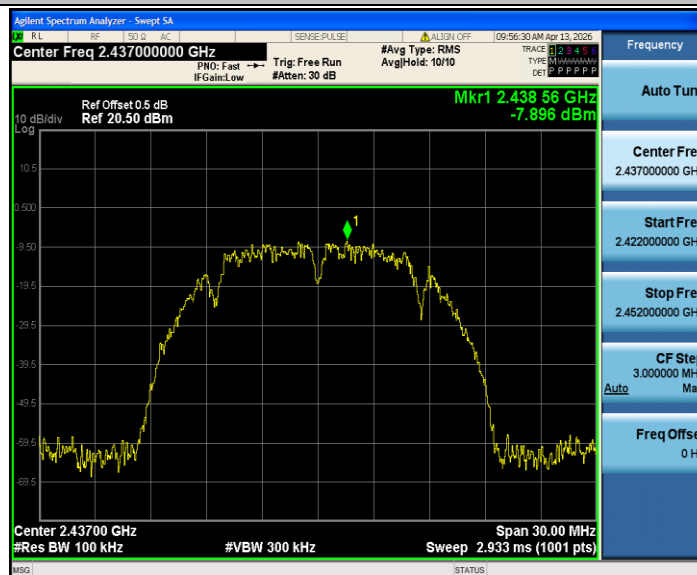
11B_Ant1_2412_30~1000



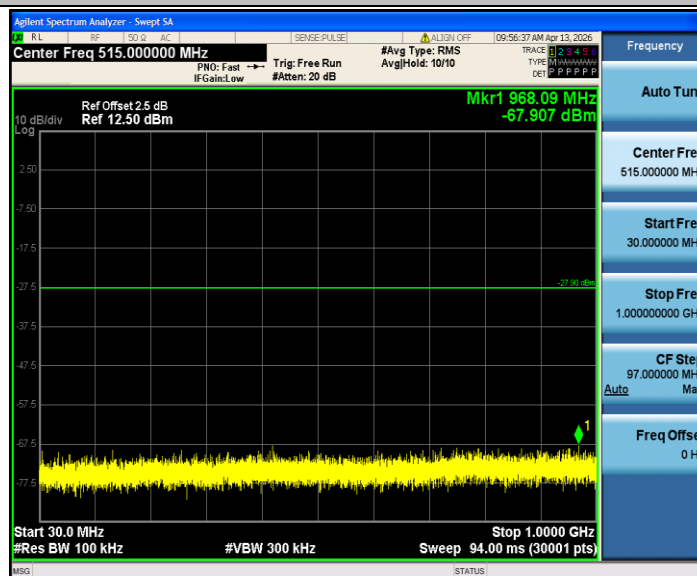
11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



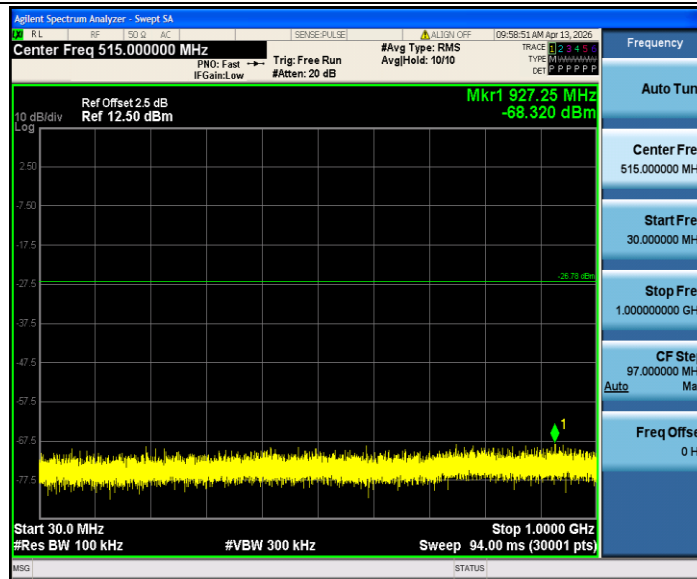
11B_Ant1_2437_1000~26500



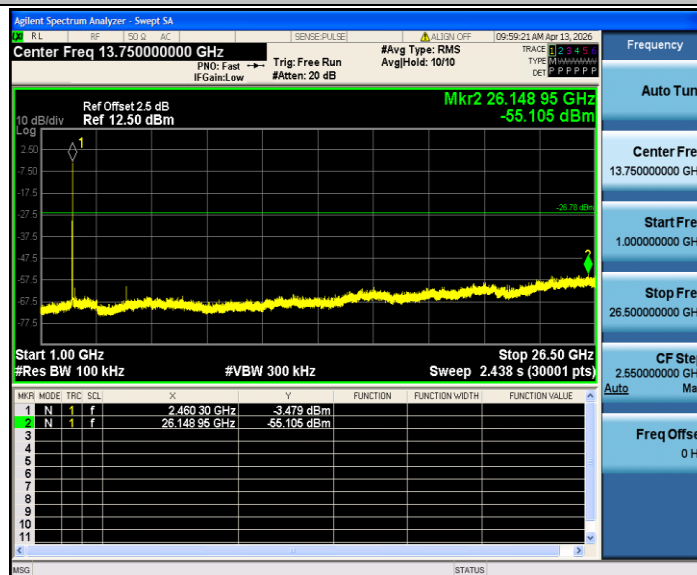
11B_Ant1_2462_0~Reference



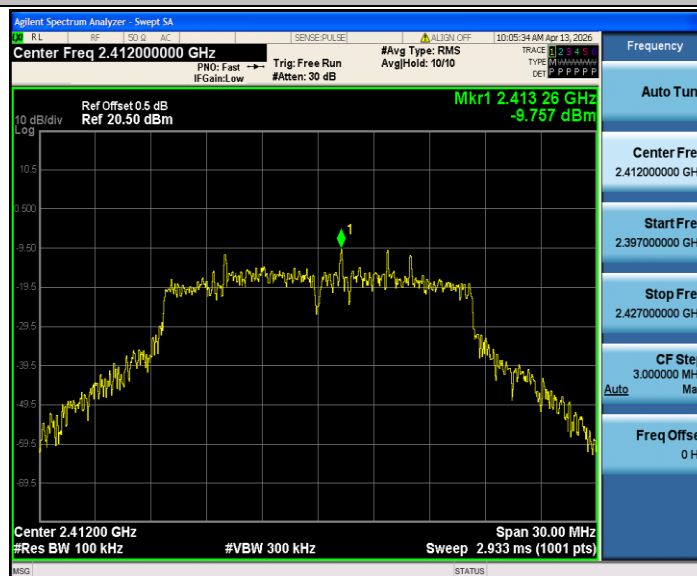
11B_Ant1_2462_30~1000



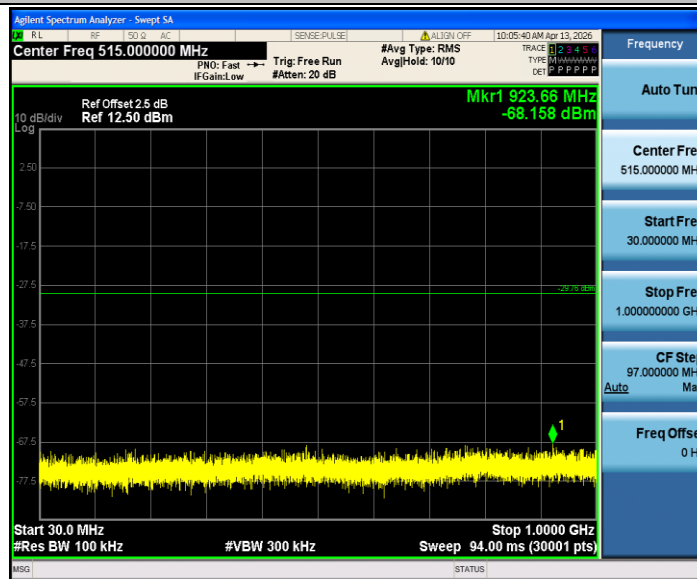
11B_Ant1_2462_1000~26500



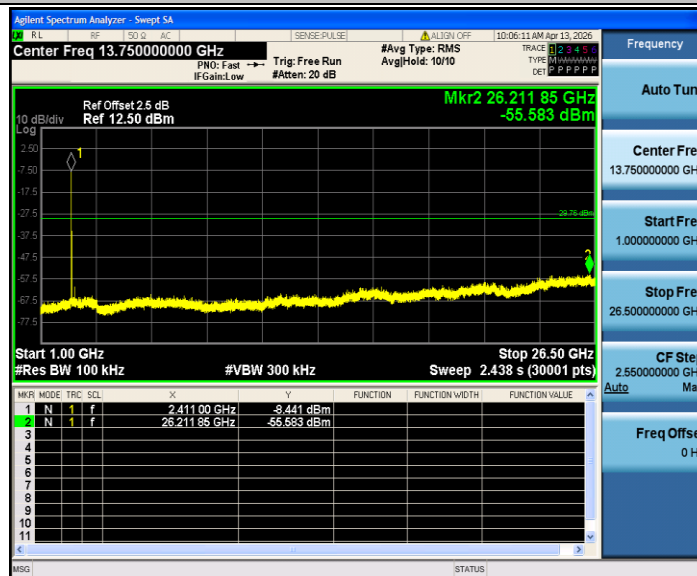
11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



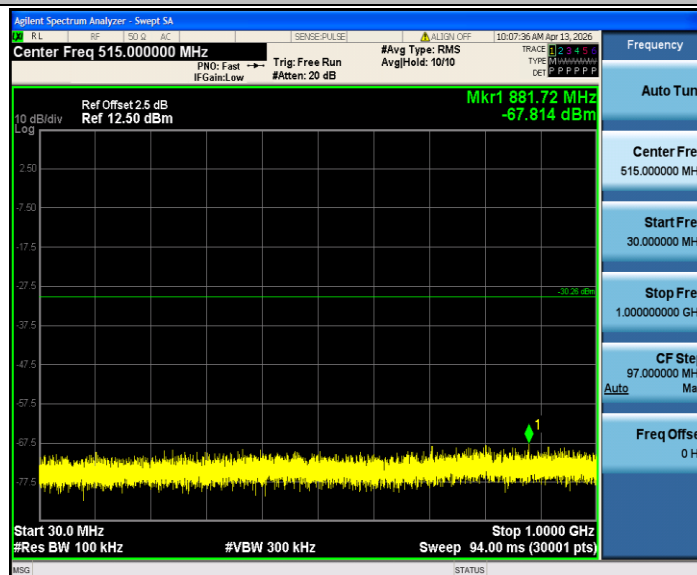
11G_Ant1_2412_1000~26500



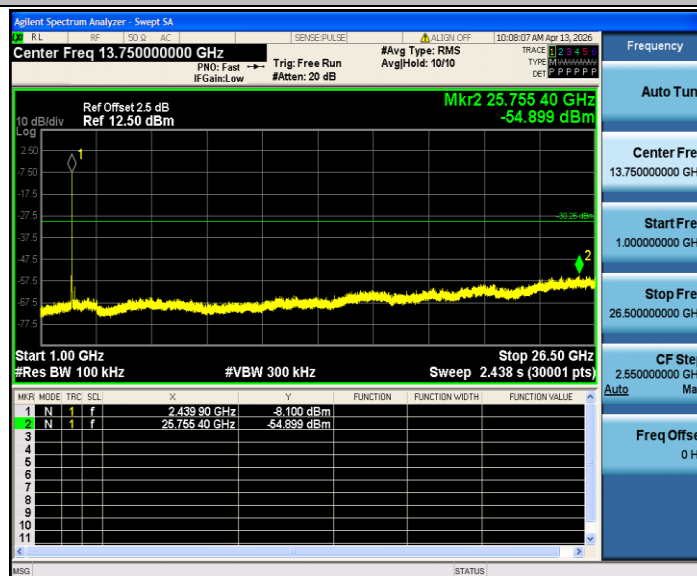
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



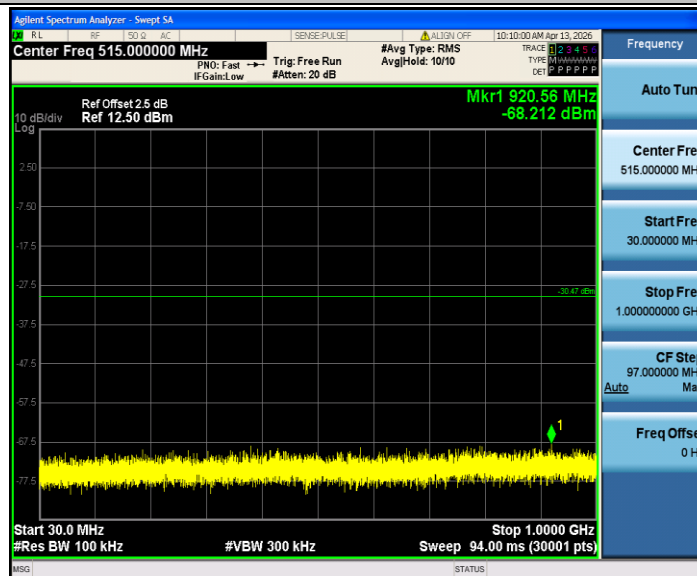
11G_Ant1_2437_1000~26500



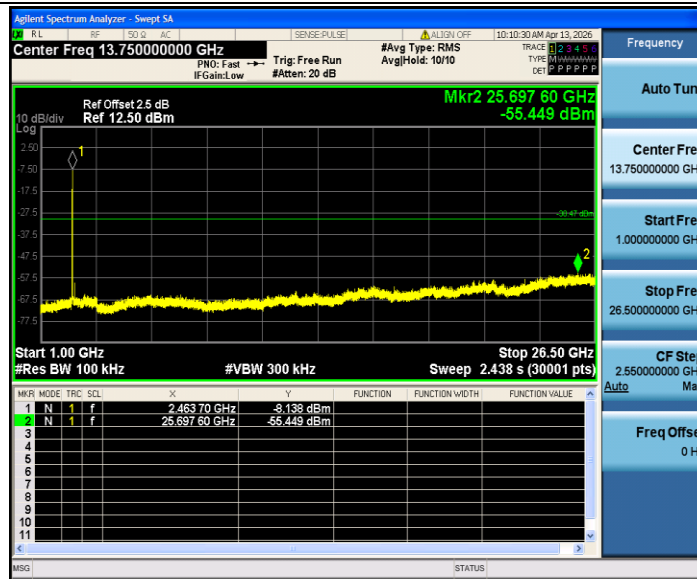
11G_Ant1_2462_0~Reference



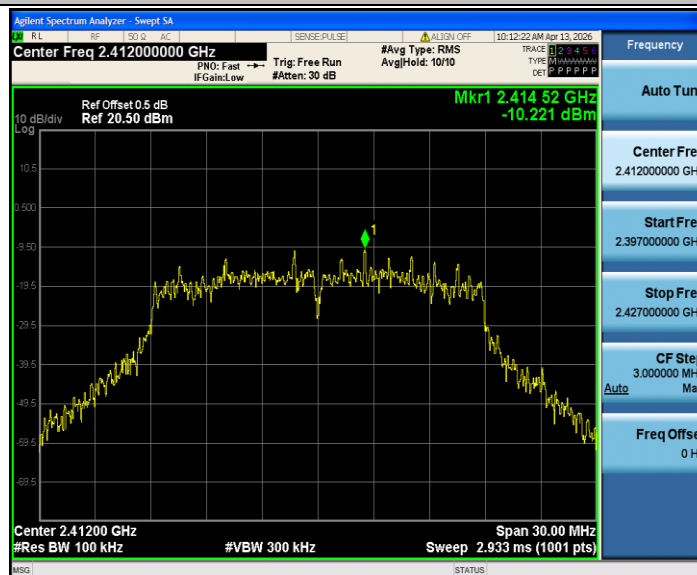
11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000

